

**Amendments to the Claims:**

Cancel claims 1-7, 14 and 16-32, without prejudice.

This listing of claims will replace all prior versions and listings of claims in the application:

**List of Claims:**

- 1.-7. (canceled)
8. (currently amended) The printer of claim [[6]] 12, wherein the conversion table is determined on the basis of sensitivity of the ink to the UV light.
9. (currently amended) The printer of claim [[6]] 12, wherein the controller determines a plurality of values of the maximum limited UV irradiation on the basis of a type of the recording medium.
10. (original) The printer of claim 8, wherein the controller changes the conversion table according to a type of the ink.
11. (previously presented) The printer of claim 9, wherein the controller selects the maximum limited UV irradiation among the plurality of values of the maximum limited UV irradiation on the basis of the type of the recording medium.
12. (currently amended) ~~The printer of claim 6,~~ An ink jet printer for recording a desired image on a recording medium by ejecting ink which includes a cationic polymerization

component and which is curable when irradiated with UV light to the recording medium, the printer comprising:

a recording head for ejecting the ink to the recording medium;

a UV light irradiation section for irradiating with UV light the ink placed on the recording medium;

a humidity detecting section for detecting humidity around the ink placed on the recording medium; and

a controller for controlling irradiation of the UV light to be irradiated from the UV irradiation section on the basis of detected humidity detected by the humidity detecting section,

wherein the controller has a conversion table showing a relationship between the detected humidity detected by the humidity detecting section around the ink placed on the recording medium, and a desired UV irradiation and a desired irradiation time corresponding to the detected humidity, wherein the controller comprises a central processing unit, and performs processing for calculating the desired UV irradiation of the UV light irradiation section and the desired irradiation time corresponding to the detected humidity by using the conversion table with the central processing unit, the controller determining whether the calculated desired UV irradiation is higher than a maximum limited UV irradiation of the UV light irradiation section by performing the processing for calculating the desired UV irradiation and the desired irradiation time corresponding to the detected humidity around the ink placed on the recording medium by using the conversion table, and

wherein the central processing unit of the controller informs of abnormality of at least one of humidity environment condition and a UV light irradiation condition when determining that the desired UV irradiation calculated based on the detected humidity is not lower than the

maximum limited UV irradiation.

13. (previously presented) The printer of claim 12, further comprising a display section for displaying a screen for informing of the abnormality of at least one of humidity environment and the UV light irradiation condition according to an instruction of the central processing unit.

14. (canceled)

15. (currently amended) The printer of claim ~~[[4]]~~ 12, wherein the UV light irradiation section irradiates the UV light of the desired UV irradiation for the desired irradiation time.

16.-32. (canceled)

33. (new) An ink jet printer for recording a desired image on a recording medium by ejecting ink which includes a cationic polymerization component and which is curable when irradiated with light to the recording medium, the printer comprising:

a recording head for ejecting the ink to the recording medium;

a light irradiation section for irradiating the light to the ink placed on the recording medium;

a humidity detecting section for detecting humidity around the ink placed on the recording medium; and

a controller for controlling irradiation of the light to be irradiated from the light irradiation section on the basis of detected humidity detected by the humidity detecting section,

wherein the controller controls the irradiation of the light so as to be higher in case the detected humidity is not less than predetermined humidity, and controls the irradiation of the light so as to be lower in case the detected humidity is less than the predetermined humidity.